



REPLACEMENT SHEET

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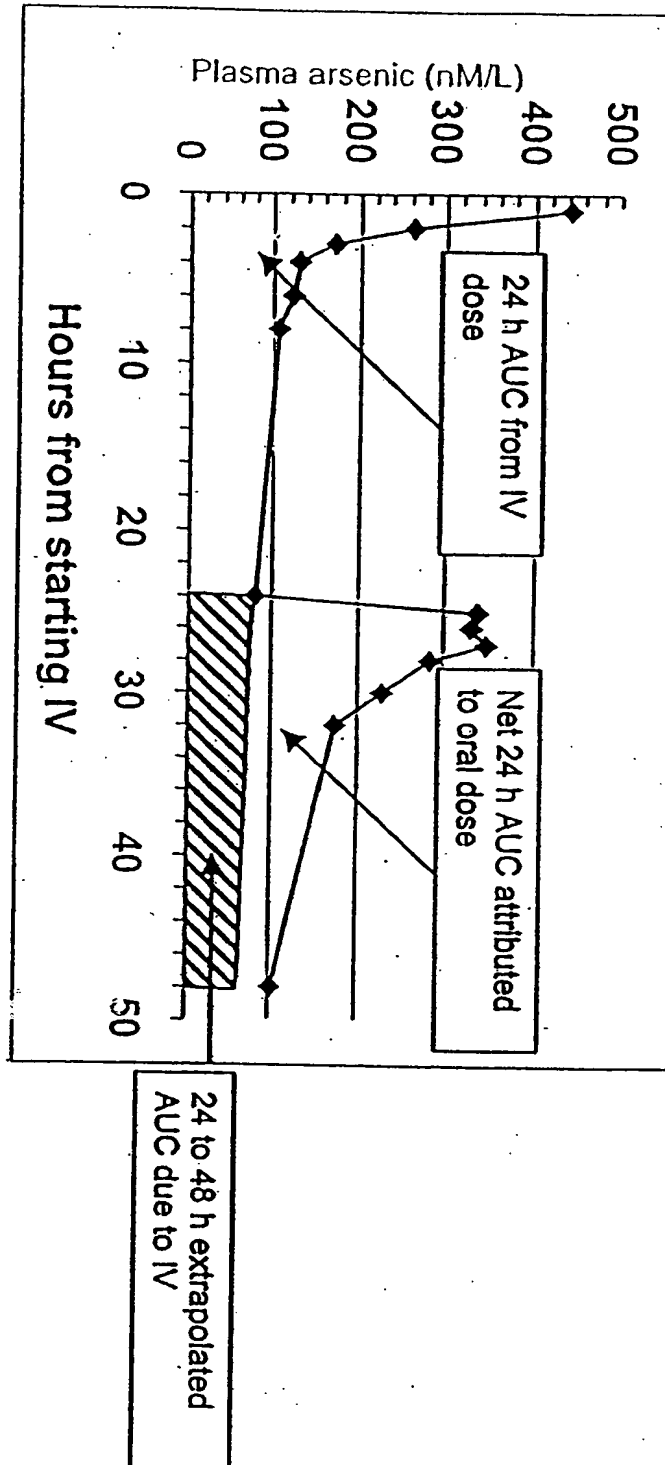


Fig. 1

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Fig. 2a

Pt 1

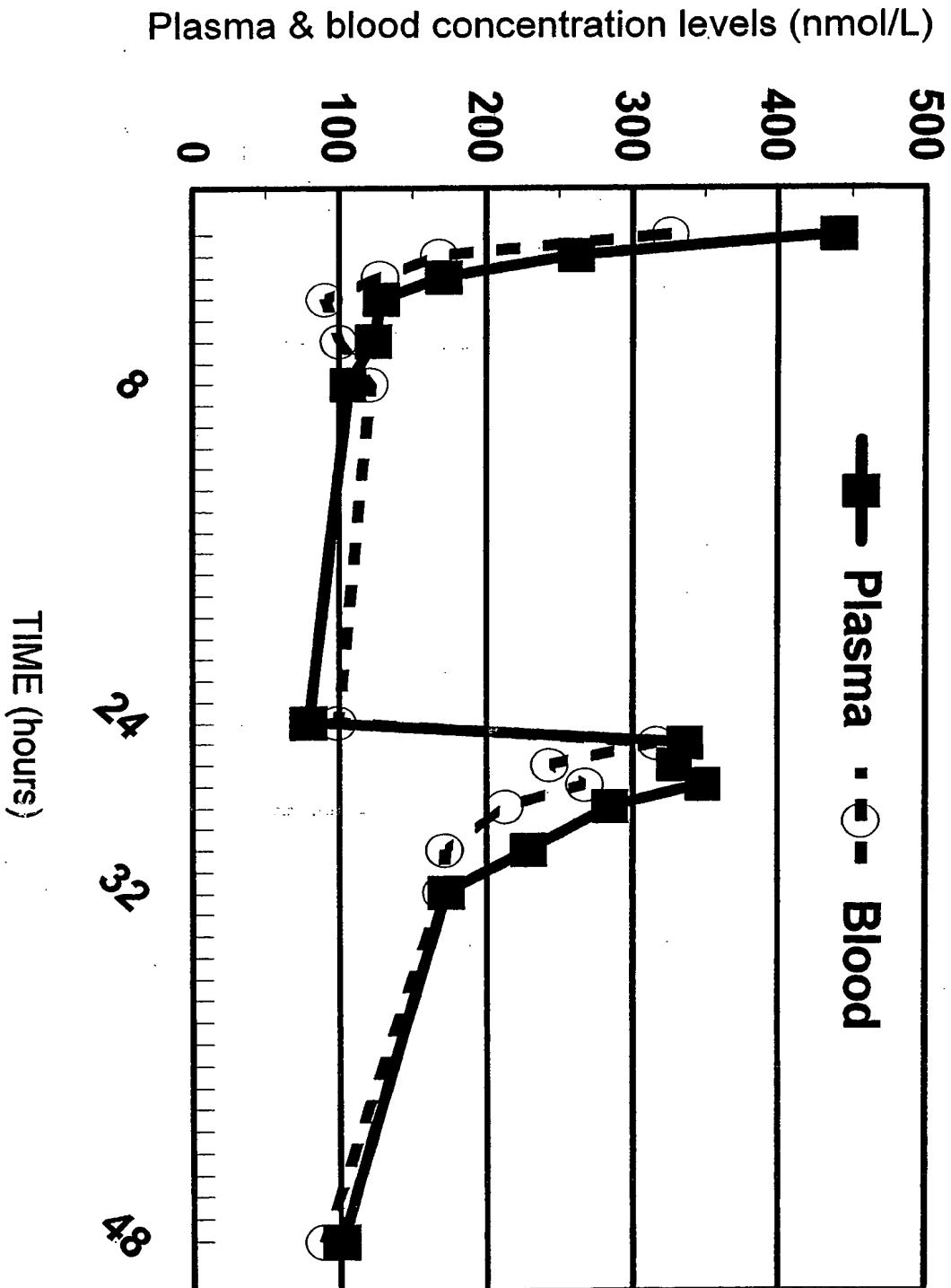
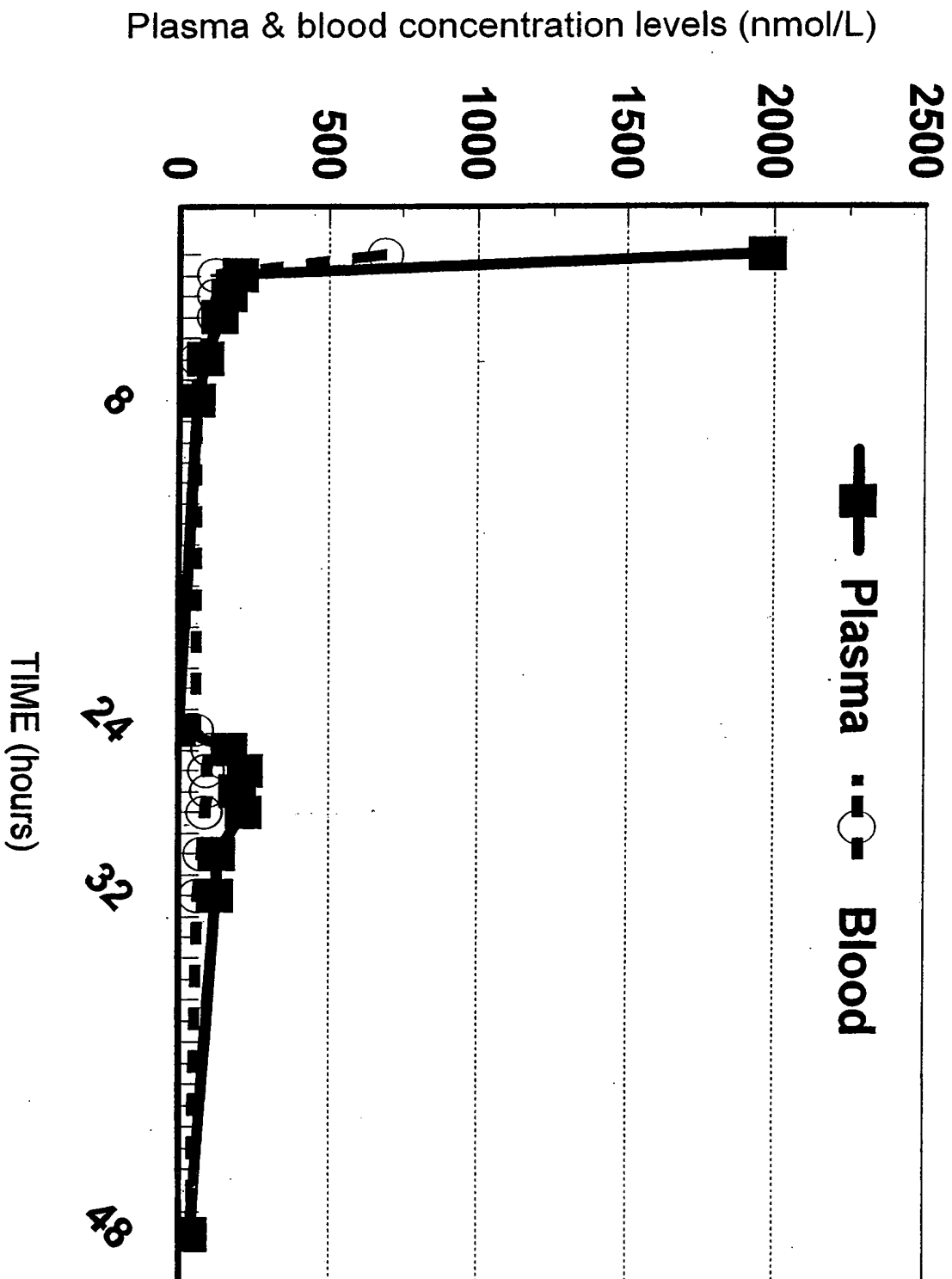


Fig. 2b

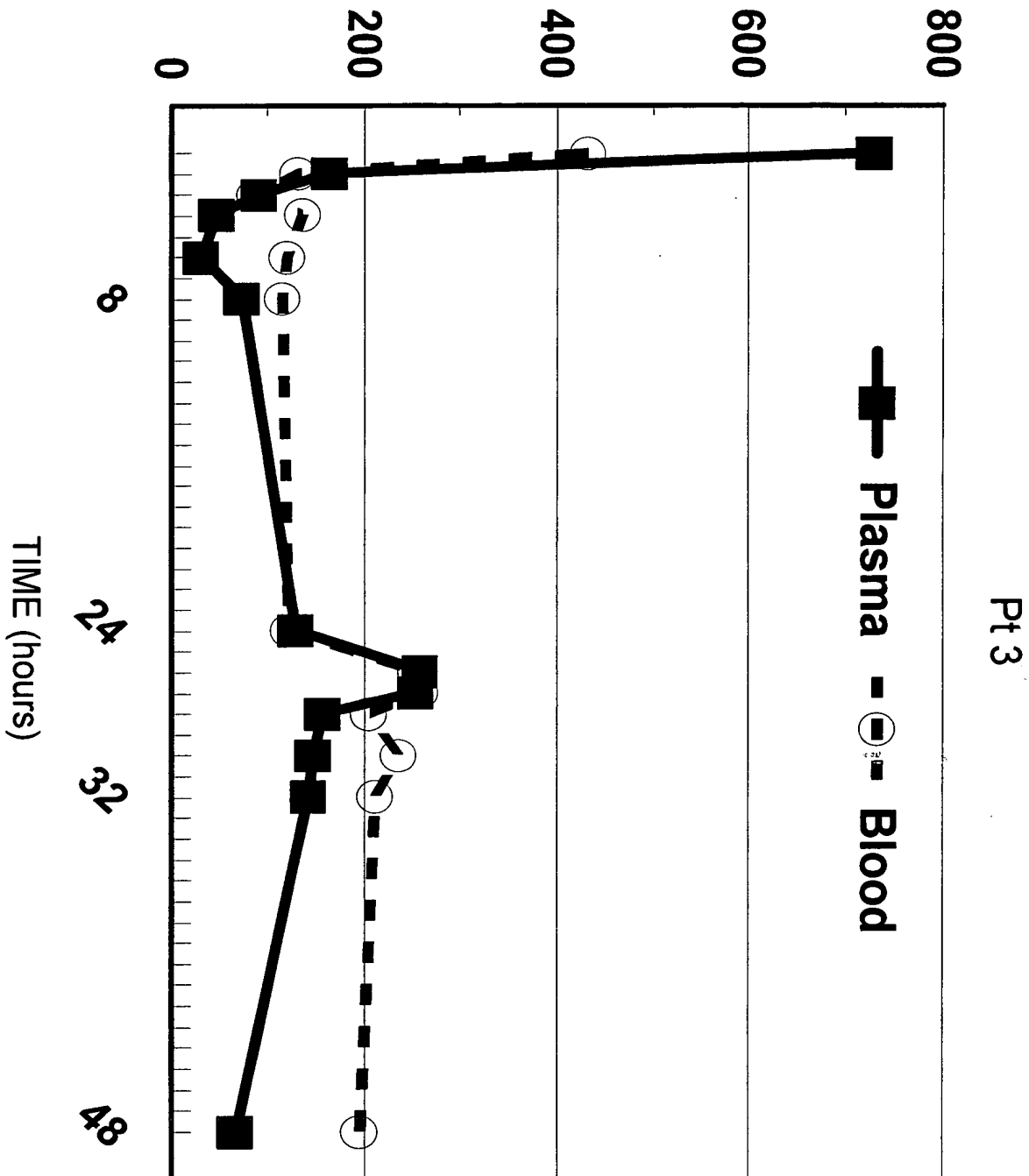
Pt 2



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Plasma & blood concentration levels (nmol/L)

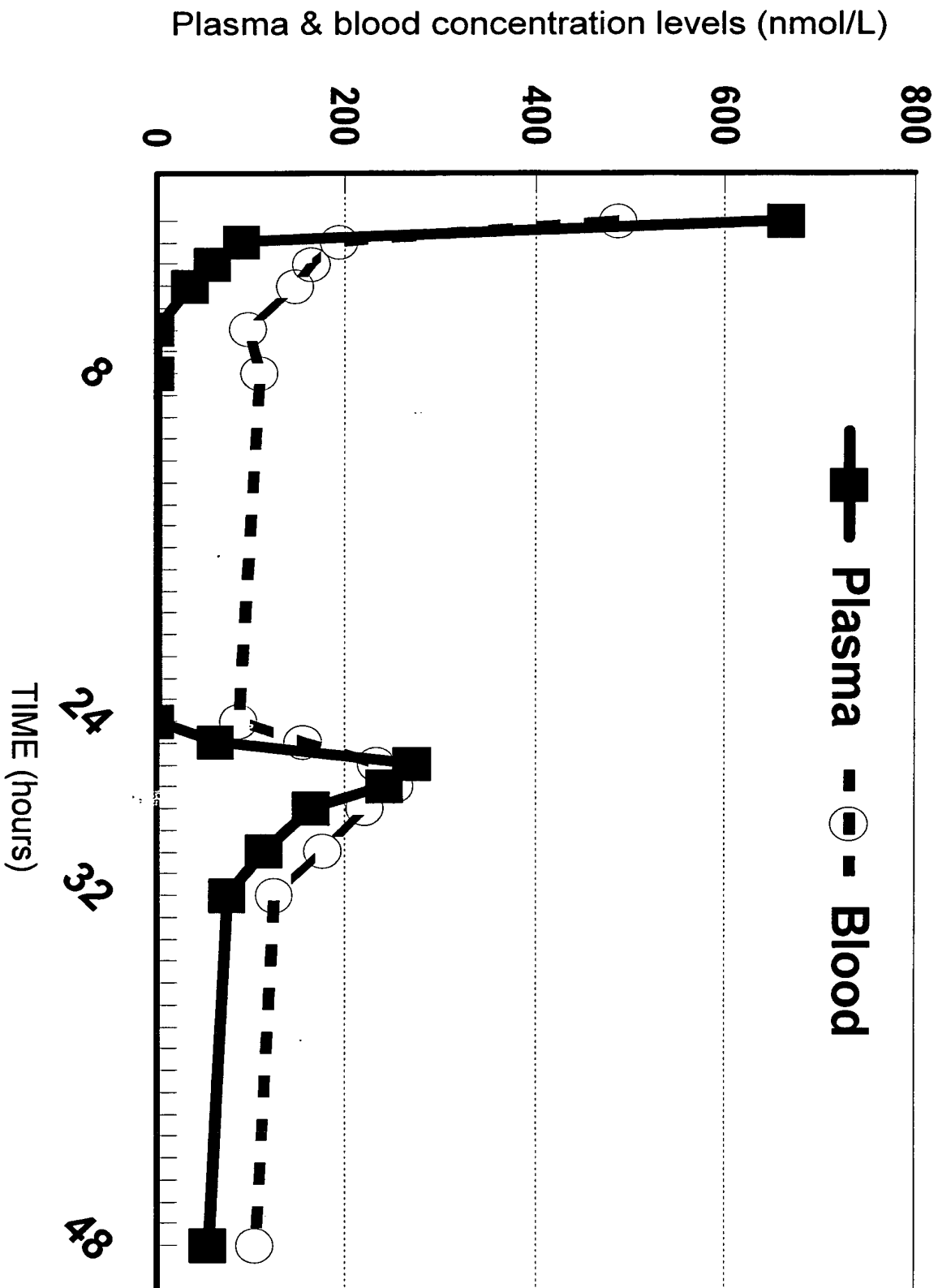


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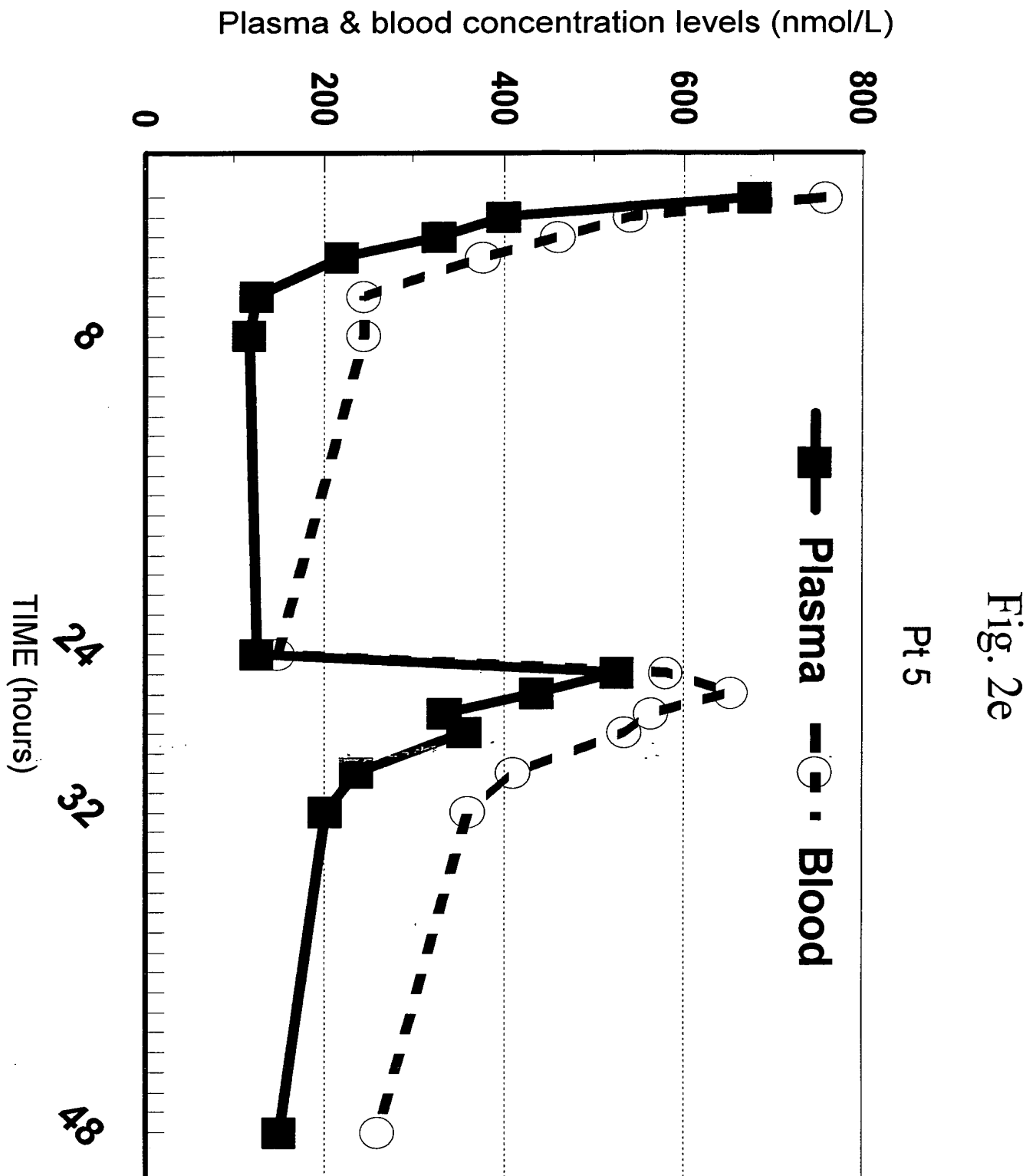
Fig. 2d

Pt 4



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Plasma & blood concentration levels (nmol/L)

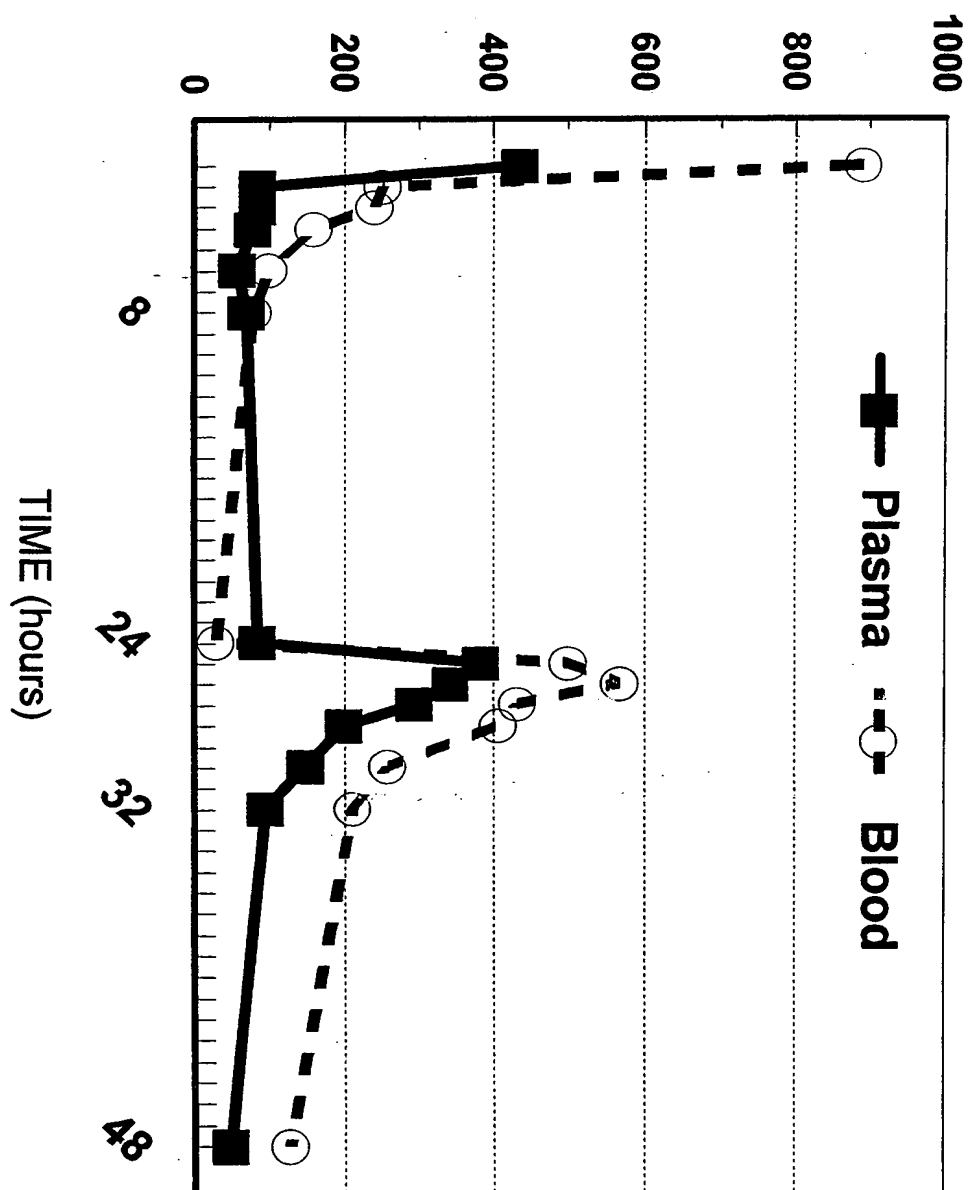
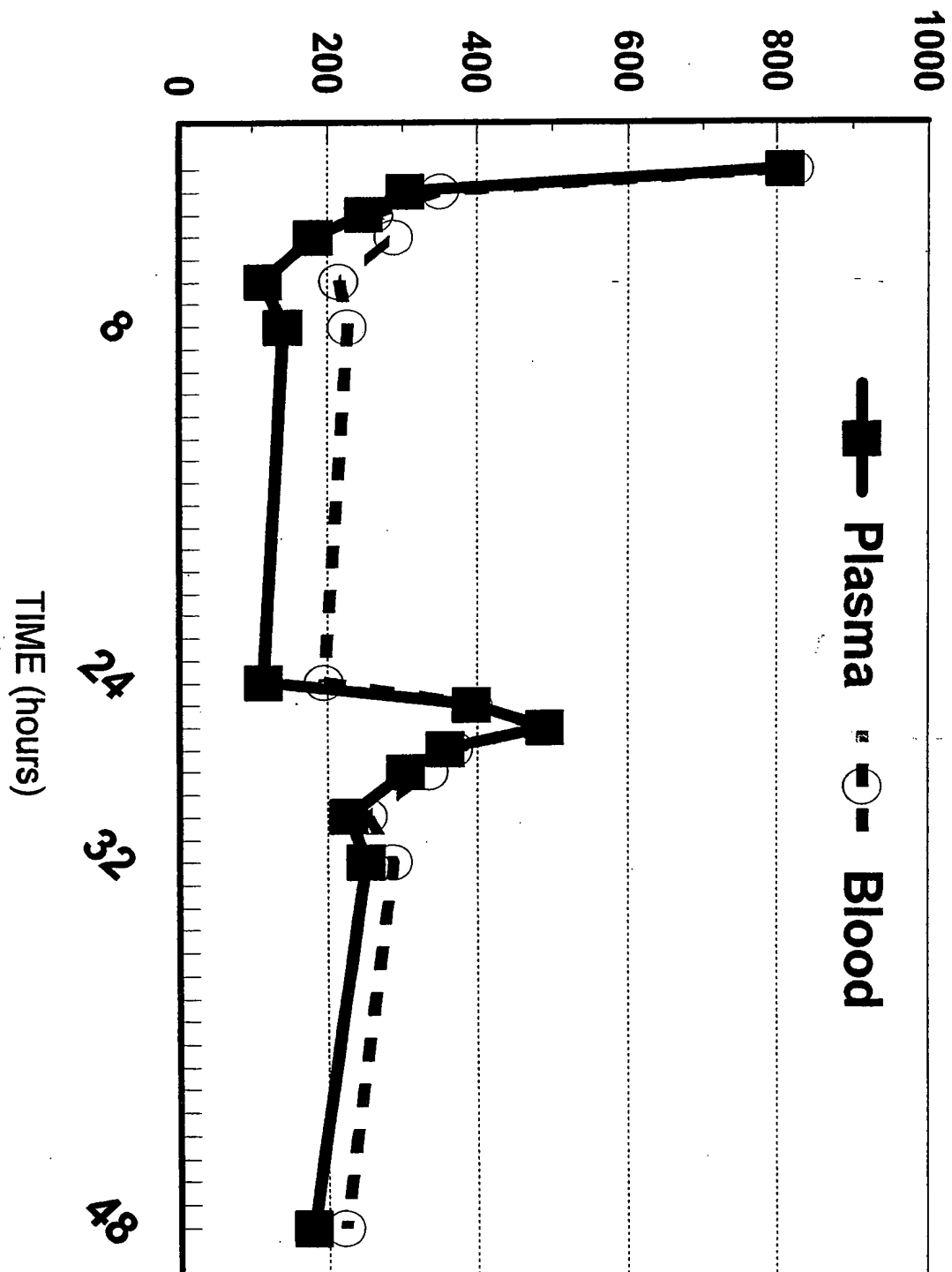


Fig. 2f

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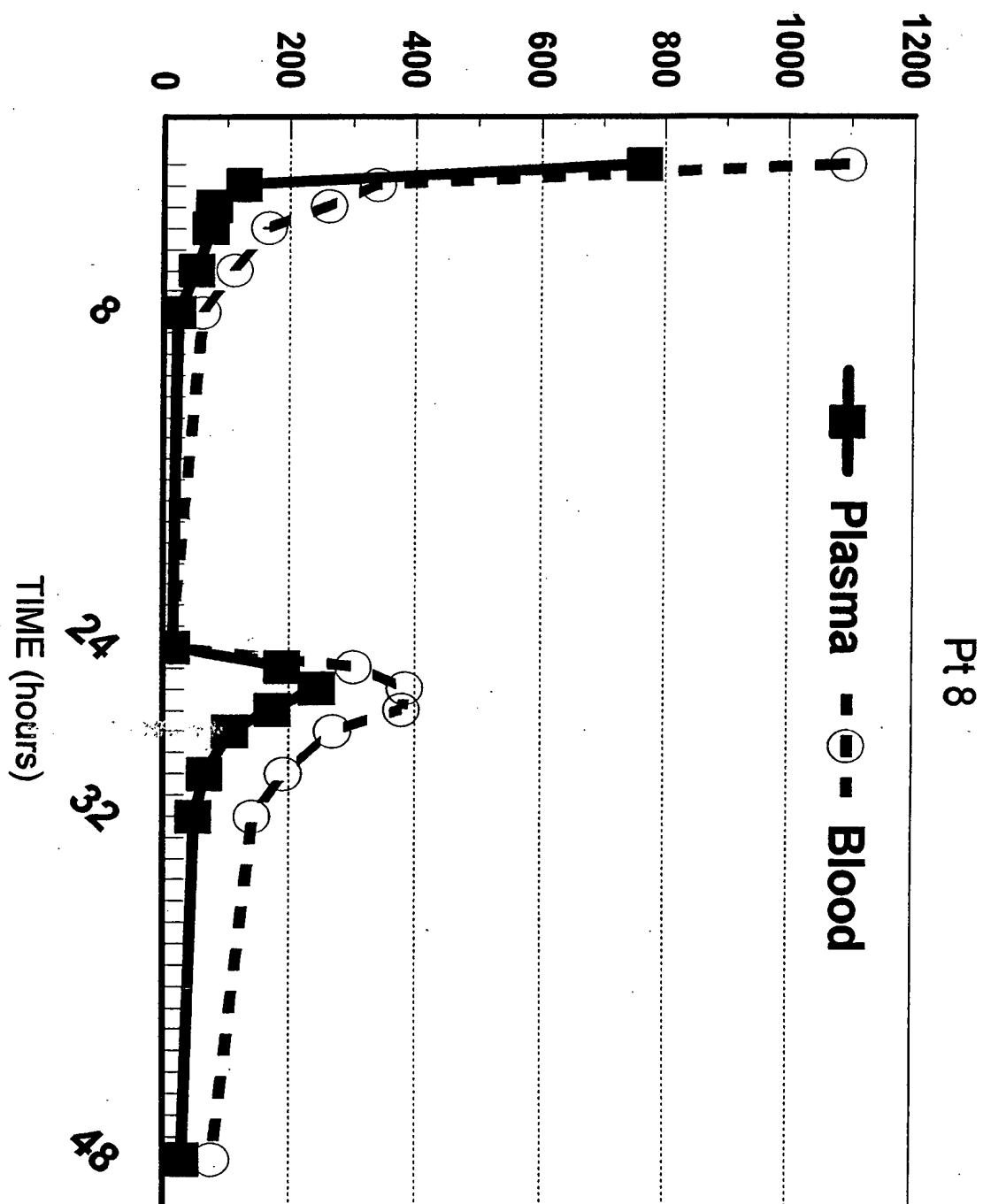
Plasma & blood concentration levels (nmol/L)



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Plasma & blood concentration levels (nmol/L)



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Plasma & blood concentration levels (nmol/L)

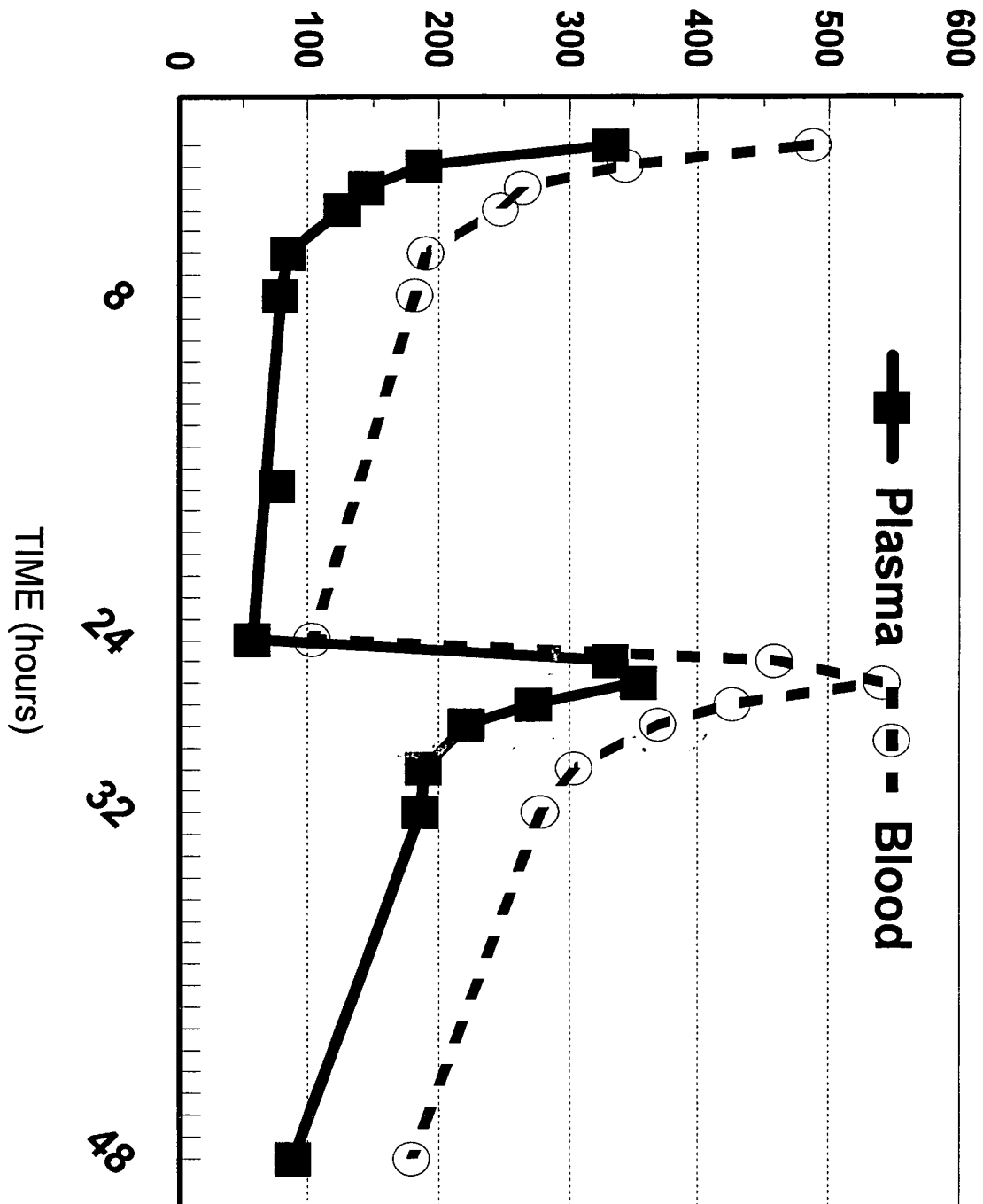


Fig. 3

As₂O₃ Clinico-pathologic features and outcome of 12 consecutive patients with relapsed acute promyelocytic leukemia treated with oral

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sex / age status	previous induction treatment	Time from relapse			Oral As ₂ O ₃ therapy			Latest PCR ¹	DFS	Remarks
		last CR	Hb	WBC	Plat	duration	additional Rx	result	Consolidation	
1° M / 23	R1 ATRA + Dauno	11 m	15.6	2.1	87	59 d	Ida	CR	Ida	13 m
2° M / 33	R2 i.v. As ₂ O ₃ + Ida	10 m	14.0	2.5	25	76 d	ATRA	NR	-	+
3° F / 13	R2 Dauno / i.v. As ₂ O ₃ + Ida	25 m	13.4	2.1	20	32 d	ATRA	CR	As ₂ O ₃ + ATRA	19 m +
4 M / 54	R1 ATRA + i.v. As ₂ O ₃	12 m	8.6	1.2	15	30 d	ATRA	CR	As ₂ O ₃ + ATRA	19 m +
5° M / 32	R1 ATRA + Dauno	100 m	8.5	34.8	81	40 d	Ida	CR	Ida	18 m +
6 F / 32	R1 ATRA + Dauno + MP	22 m	14.5	2.4	177	33 d	-	CR	Ida	18 m +
7° F / 45	R2 ATRA + Dauno	12 m	12.2	0.8	84	51 d	-	CR	Ida	18 m +
8 F / 65	R1 ATRA + Dauno / i.v. As ₂ O ₃ + Ida	17 m	11.2	1.9	50	37 d	ATRA	CR	As ₂ O ₃ + ATRA	17 m +
9 F / 18	R2 ATRA + Dauno / i.v. As ₂ O ₃ + Ida	12 m	10.1	1.9	180	28 d	ATRA	CR	As ₂ O ₃ + ATRA	15 m +
10° F / 18	R1 ATRA + Dauno	12 m	8.2	12.6	54	44 d	Ida	CR	Ida	9 m +
11° M / 45	R1 ATRA + Dauno	240 m	4.2	0.6	9	22 d	-	CR	As ₂ O ₃	7 m +
12 F / 40	R1 ATRA + Ara-c	23 m	8.5	6.5	39	28 d	Ida	CR	Ida	6 m +

*: pharmacokinetic data of oral As₂O₃ have previously been reported⁶

1: PCR for *PML/RAR*, +: positive, -: negative, (time from initial diagnosis)

M: male; F: female, CR: complete remission; NR: non-remission; R1: first relapse; R2: second relapse

CBC: complete blood count; Hb: hemoglobin (g/dL); WBC: white blood cell count ($\times 10^9/L$); Plat: platelet count ($\times 10^9/L$)

m: months; d: days; DFS: disease free survival

ATRA: all-trans retinoic acid; Dauno: daunorubicin; Ida: idarubicin; Ara-c: cytosine arabinoside

CA: carcinoma; AML: acute myeloid leukemia; CRF: chronic renal failure; DM: diabetes mellitus

CAPD: continuous ambulatory peritoneal dialysis; CRHD: chronic rheumatic heart disease; rep: replacement

CRF due to DM on CAPD, Ida consolidation omitted due to CRF

Ida consolidation omitted due to high cumulative doses of anthracycline
CRHD, double valve rep